

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: February 4, 2004

Inspector: Diana Walden, Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Traces of precipitation over the past week and 0.73" on 2/3.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Slightly warmer weather had caused a small thaw in the top soil layer and access roads and the yard are increasingly muddy at this time. 2/4/04 - The thick frost layer in the soil and some remaining snow cover keeps most areas stabilized. 2/4/04 - The gravel access pads are less packed with snow as some melting has occurred. Mud is starting to accumulate slightly. 2/4/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 1/15-2/4/04 - None at this time. Very small amounts of typical road sand are reaching the roadway. 1/30-2/4/04
Foundation construction	<ul style="list-style-type: none"> - A majority of the poles have been placed but work continues towards the northern end of the site. 1/30-2/4/04 - The foundation work continues within the yard. Excavation is controlled and all areas are within the silt fence. 1/30-2/4/04 	<ul style="list-style-type: none"> - Continue to monitor any potential impacts to the silt fence during work on the poles and foundations. 1/22-2/4/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - Fairly frozen conditions and some snow cover at the site continue to prevent potential large issues however a small amount of thawing and subsequent muddiness had occurred. 2/4/04 	<ul style="list-style-type: none"> - Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-2/4/04
	<ul style="list-style-type: none"> - Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-2/4/04 -The areas where the silt fence had pulled off the stakes were re-stapled and repaired. 2/4/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-2/4/04 The repair is fine for now but prior to true thawing in the spring. Panels of silt fence may need to be replaced as they will easily rip again. Keep up with silt fence repair as needed and be proactive 2/4/04
	<ul style="list-style-type: none"> - Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-2/4/04 -The soil is frozen and shows no indication of movement at this time. Silt fence is well in place here. 1/30-2/4/04 	<ul style="list-style-type: none"> - The status of the stockpile and the weather will be monitored carefully in the next few months. A second barrier of silt fence should be placed at the toe of the pile at a feasible opportunity between now and a time when thawing begins to occur and rains are forecasted. Portions of the pile may have been utilized by this time. 1/15-2/4/04
	<ul style="list-style-type: none"> - Some water had actually ponded in the basin this morning following last night precipitation. It has already recharged into the ground. 2/4/04 - An additional riprap swale was built into the basin to help convey water ponding up in the access road. 2/4/04 	<ul style="list-style-type: none"> - Continue to monitor the basin and outlets for any sediment laden flows 2/4/04

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Erosion and Sediment Controls contd.	- The small pile of snow, sediment and stone placed over the silt fence last week has been placed back within the work area. 2/4/04	- No actions required at this time. Avoid placing anything from the work site beyond the silt fence. 2/4/04
	- Some piles of snow and sediment were again noted beyond the silt fence at the northern end of the work area after they had recently been graded back into place. 2/4/04	- If work needs to continue in this location, the silt fence should be extended to encompass it, otherwise, the piles should be graded back into place once again. 2/4/04
	- Excavation of the non-hazardous, contaminated soil is ongoing and is now continuing along the slope. The exposed soil is a good distance from the silt fence and is under control at this time. 1/22-2/4/04 - The base of a retaining wall is being constructed in the area where excavation has been completed. 1/30-2/4/04	- None at this time. When the excavation is completed in the future, the disturbed soil will be stabilized. 1/22-2/4/04
Inland Wetland and Watercourse encroachment and mitigation	- The silt fence remains in place and there are no signs of any sediment beyond the silt fence barrier or within the river 1/22-2/4/04 - Silt fence has been repaired but may need replacement in some areas before the true thaw occurs 2/4/04	- Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-2/04/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits	- Some pruning and selective cutting was necessary along	- Removal of any stumps/root systems should not occur as

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(including trees to save or danger trees noted)	<p>the edge of the river due to branches affecting the wires. 1/30-2/4/04</p> <p>- The excavation of the contaminated soil continues to disturb more areas along the Route 7 ramp slope however, everything is contained appropriately. 1/22-2/4/04</p>	<p>the branches are the issue. 1/30-2/4/04</p> <p>- The areas near the river still appear stable. There is no erosion on the banks or sedimentation. 1/15-2/4/04</p> <p>- The more vegetation left in place at the river, the more stable the bank will be. 2/4/04</p>
Dewatering	<p>- No dewatering activities are occurring at this time 2/4/04</p>	<p>- None at this time 2/4/04</p>
Blasting	<p>- No blasting is occurring on site at this time 1/30/04</p>	<p>- None at this time 2/4/04</p>
Spills	<p>- A spill was reported to the office on Tuesday of this week. A hose on another piece of equipment broke and there was approximately one gallon of hydraulic fluid spilled on the ground up near the Route 7 ramp. 2/04/04</p> <p>- Absorb-all was placed and then swept up. The spill occurred in an area slated for removal as part of the contaminated soil and it was excavated out right after it happened 2/4/04</p> <p>- During the inspection, two areas on sight also showed signs of an oily sheen flowing within runoff from the thaw and last night's storm event. A particular source could not be identified and it may be the result of past drippings on the ground which are now part of the thawing. Absorbent pads</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. There may be new procedures implemented for this- i.e. walk around checks on equipment on a regular basis.</p> <p>- The practice of using "diapers" is highly encouraged for any vehicle or equipment with a known leak.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p> <p>-Preparations are being made to place track matting near the larger flow area in order to</p>

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	were used to pull the sheen from the surface of the puddles and an absorbent boom was placed across the flow at the larger area. 2/4/04	pick up the sheen. 2/4/04
Additional/Miscellaneous Observations	<p>- If any plowing is necessary, snow will remain on the work side of the silt fence and will not be deposited closer to the river.</p> <p>- The site is experiencing some ponding, runoff and muddy conditions as a small thaw event is occurring following a rain event last night. It is providing a good picture of where water is collecting and what areas will need attention when the true spring thaw occurs.</p>	

Next likely scheduled inspection:

Wednesday February 11, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana L Walden



SOME AMOUNT OF THAWING HAD OCCURRED IN THE TOP SOIL LAYER WITH THE WARMER TEMPERATURES AND THE STORM. WATER HAD COLLECTED IN THE BASIN BEFORE RECHARGING 2/04/04



A NEW SWALE INTO THE BASIN WAS CREATED IN ORDER TO HELP BETTER CONVEY WATER ON SITE. SOME PONDING AND MUDDY CONDITIONS HAD OCCURRED AT THIS VISIT. 2/04/04



THE SNOW/STONE PILE THAT HAD BEEN PLACED OVER THE SILT FENCE HAS BEEN REMOVED. THE BANK AREA WILL BE MONITORED AFTER SNOW MELT FOR EXPOSED SOIL. 2/04/04



VIEW OF SOIL EXCAVATION AREA AS IT CONTINUES FURTHER UP ALONG THE SLOPE. 2/04/04



VIEW OF AREA WHERE SILT FENCE HAS BEEN MAINTAINED FOLLOWING SOME DISREPAIR NOTED LAST WEEK. 2/04/04



VIEW OF AREA BEYOND THE NORTHERN END OF WORK LIMITS WHERE SOIL HS BEEN PUSHED OUTSIDE OF THE SILT FENCE. IT SHOULD EITHER BE GRADED BACK WITHIN THE LIMITS OR THE SILT FENCE MUST BE EXTENDED. 2/04/04